1.3771

5/263/62/000/023/004/005

E194/E155

9.4172

Vavrouch, Dusan, and Dvorák, Jiří

AUTHORS: TITLE:

A pneumatic infrared radiation receiver

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk, Izmeritel'naya

tekhnika, no.23, 1962, 63, abstract 32.23.397.

(Czech. patent cl. 421, 4/13, 42h, 20/01, no.99447,

April 15, 1961)

The patented pneumatic receiver is based on the schematic circuit of an American receiver. It consists of a chamber, one wall of which is made of a material transparent to infrared radiation. Inside the chamber an absorbing element periodically receives infrared radiation through a shutter and is thereby heated, which raises the pressure of the gas in the chamber. The pressure change is picked up by an elastic reflecting diaphragm. The surface of the diaphragm is fully sealed and it is a component of an optical system consisting of a meniscus lens, a plane grating with transparent and opaque bands of equal width, a condenser, a lamp, and a photocell with mirror. If the diaphragm is flat the upper half of the grating illuminated Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859110007-9" A pneumatic infrared radiation ...

\$/263/62/000/023/004/005 E194/E155

by the lamp is reflected from the diaphragm and gives a reflection in the lower half of the grating. The transparent bands then coincide with the opaque, and little light reaches the photocell from the mirror and the current in the circuit is low. When the diaphragm is deformed by pressure, it becomes convex or concave and more or less radiation reaches the photocell, giving more or less current. The current is then amplified and recorded in the usual way. The chamber is connected with the internal space by a capillary so that rapid changes in the pressure do not alter the shape of the diaphragm. Obviously the backing surface to which the membrane is fixed should be very well finished and accurate so as not to introduce errors into the light distribution. Hitherto the backing has consisted of hardened carbon steel, which required prolonged heat-treatment, accurate grinding and polishing and was, moreover, rapidly corroded during the process of degreasing in an ultrasonic field. This defect affected the performance of the In the device patented the backing surface is made of easily worked minerals, whose surfaces do not corrode.

[Abstractor's note: Complete translation.] Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859110007-9"

VAVROUCH, L.

VAVROUCH, I. Swiss project of the Rhone-Rhine waterway. p. 414.

Vol. 5, No. 11, Nov. 1955 VODNI HCSPCDARSTVI TECHN LCGY

So: East Europeon Accessions, Vol. 5, No. 5, May 1956

APPROVED FOR RELEASE: 08/31/20010UCHGMA-RDP86:09513R001859110007-9" KLAPETEK, J.; technicka spaluprace:

An improved paste for attaching EEG electrodes. Cesk. neurol. 26 no.1:12-17 Ja 163.

1. Neurologicka klinika lekarske fakulty PU v Olomouci, prednosta prof. dr J. Hrbek, DrSc. (ELECTROENCEPAHLOGRAPHY) (EQUIPMENT AND SUPPLIES)

VAVROUSEK, J.

Ten years of milk and egg preservation through drying and condensation. p. 246. Vol. 6, no. 5, 1955. PRUMYSL POTRAVIN. Praha.

Source: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956.

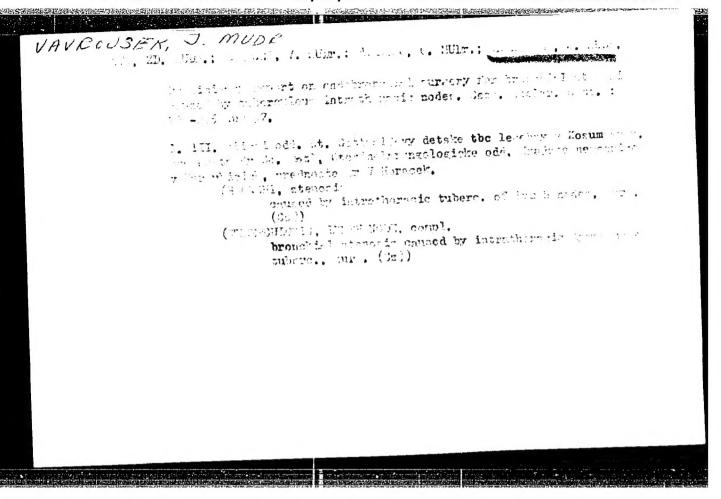
CIA-RDP86-00513R001859110007-9" APPROVED FOR RELEASE: 08/31/2001

VAVROUSEK, J.

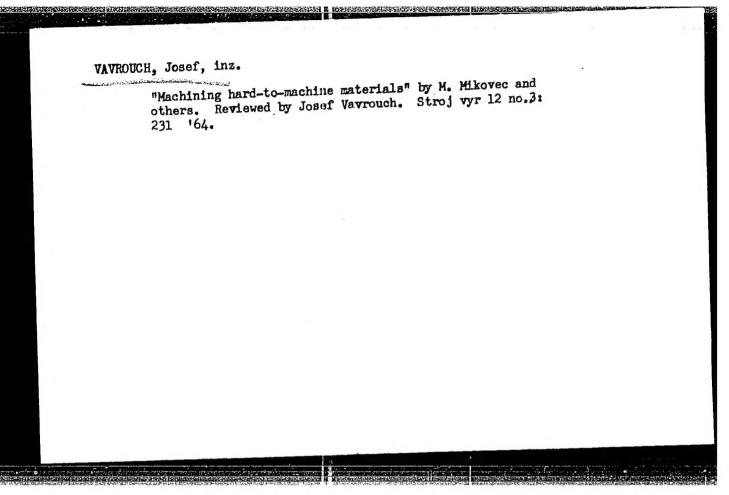
VAVROUSEK, J. Experience of the dairy industry with collecting, treating, and transporting milk. p. 426

Vol. 7, no. 9, 1956 PRUMYSL POTRAVIN TECHNOLOGY Praha, Czechoslovakia

So: East European Accession, Vol. 6, No. 2, 1957



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859110007-9"



VAVROUSEK, Josef, dr.

Some factors influencing the fulfillment of the plan in poultry and egg processing plants. Prum potravin 14 no. 6:293-296 Je '63.

1. Prazske drubezarske zavody, n.p., Libus u Prahy.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859110007-9"

VAVROUSEK, JOZEF

POLAND/Chemical Technology. Chemical Products and Their Application.

Food Industry.

-28

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 16146.

Author : Vavrousek Jozef

Inst :

Title : Production of Egg Powder in Czechoslovakia

Orig Pub: Przegl. jajcz.-drob., 1956, 4, No 10, 15-16.

Abstract: No abstract.

Card: 1/1

New method of production and utilization of whey. (Tp be contd.) p. 278. Vol. 6, no. 6. 1955. PHUMYSL POTRAVIN. Praha.

Source: East European Accessions List (EEAL), LC, Voll 5, No. 3. March 1956.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859110007-9"

VAVROUSEK, J.

New method of production and utilization of whey. (Conclusion) p. 320.

Vol. 6, no. 7, 1955.

PHUMYSL POTRAVIN. Praha.

SCURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

A STATE OF THE STA h-20 Czechoslovakia COUNTRY CATEGORY ABS. JOUR. : RZKhim., No. 1959, No. 73029 : Vavrousek. J. AUTHOR INST. : Some Problems of Technical Advances and Prime Cost Decrease in Drying and Condensing of TIPLE Milk ORIG. PUB. : Prumysl potravin, 1958, 9, No 4, 178-181 : Within a few years it is anticipated to expand ABSTRACT in Czechoslovakia the collecting and shipping of milk by tank trucks; increase the carrying capacity of the latter to 10 tons; increase the size of milk cans to 40-50 liters; lower the temperature of milk in shipment from 15° to 10-12° put in effect automatic regulation of the pH of solutions used in milk-can washing machines; to replace pasteurizing of milk, prior to condensing, by "uperizatsiya". It is proposed to widen the range of dairy products by making dry milk with cocoa, condensed milk with sugar, with cocoa, and coffee, condensed cream with cocoa, coffee, etc. G. Titov. dard: Vi

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859110007-9"

VAVROUSEK, J.

VAVROUSEK, J. Some principles concerning the wholesale purchase and distribution of milk and milk products. p. 523

Vol. 7, no. 11, 1956 PRUMYSL POTRAVIN TECHNOLOGY Praha, Czechoslovakia

So: East European Accession, Vol. 6, No. 2, 1957

VAVROUSEK, J.; SULC, J.

Report on the Polish dairy and paultry industries. p. 414. PRUMYSL POTRAVIN. Praha.

Vol. 6, no. 8, 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March. 1956.

VAVROUSEK, J.; SULC, J.;

Experiences from the Polish dairy and poultry industries. p. 468. PRUMYSL FOTRAVIN. Praha. Vol. 6, no. 9, 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956.

WAVROUSEK, Josef, dr. (Praha)

More important factors influencing the fulfillment of the plan of the egg and poultry processing enterprise. Elelm ipar 17 no.5: 145-149 My 163.

AT THE STATE OF THE PROPERTY O

KYBAL, Jan; VAVROUSKOVA-ZADINOVA, Kamila; technicky spolupracovala Marie Zahalkova.

Rye as a basic substrate in cultivation of Claviceps purpurea; active component of inoculated substance in field cultivation of ergot. Cesk. biol. 4 no.9:556-559 Oct 55.

1. Vyzkumny ustav lecivych rostlin, Praha.
(ERGOT ALKALOIDS,
Claviceps purpurea, field cultivation)

PARIZEK, J.; NEMECEK, S.; VAVROVA, I.

Concealed presence of glicam in a 4-year-old child. Cesk.
neurol. 26 no.5:301-303 S :63.

A STATE OF THE PROPERTY OF THE

1. Neurochirurgicka klinika lekarske fakulty KU v Hradci Kralove, prednosta prof. dr. R. Petr Detska klinika lekarske fakulty KU v Hradci Kralove, prednosta prof. dr. J. Blecha.

(BRAIN NEOPLASMS) (GLIOBLASTOMA MULTIFORME)
(OPTIC NERVE) (CEREHELLAR NEOPLASMS)
(INTRACRANIAL PRESSURE) (BLINDNESS)

CHIYERN, N., Yar [Cernik, J.]; MISTR, Adolf [Mistr, Adolf]; VAVROVA, Varosleva [Vavrova, J.]; VAVRA, Mulosh [Vavra, Miles]

Fig lographic properties of mozourthylthtacerousyanice dyes. Zhur. nauch. i prikl. fot. 1 kin. 10 no.1334-38 Ja-F '65. (MIRA 18:4)

1. Institut chistykh reaktivov, Erac, Chekhoslovakiya.

Zahalkova, A.; Vavrova, L.

Role of tuberculosis in child mortality and morbidity. Pediat. listy.
Praha 7 no. 3:153-157 May-June 1952. (CLHL 22:4)

1. Of the Institute of Social Medicine (Head--Prof. V. Prosek, M. D.)
of Charles University, Prague.

5.5400 5.3610

Z/009/60/010/05/004/040 E112/E153

AUTHORS:

Vladimír Medonos and Marcela Vávrová

TITLE:

Polarographic Determination of Thiourea

PERIODICAL: Chemický Průmysl, Vol 10, 1960, Nr 5, pp 234-237

ABSTRACT: Thiourea is produced by passing carbon dioxide into a suspension of calcium cyanamide in a solution of ammonium sulphide. The authors present a quick polarographic method for its estimation in the rather complex reaction The conventional method of titration with silver nitrate is too cumbersome and the polarographic

method offers advantages. The position of halfwave potentials, changes with the concentration of thiourea. A wave with best characteristics is obtained in a medium of 0.2 N-NaOH, the halfwave potential of which is about An alkaline medium is, however, not suitable for

0.3 V. the direct estimation of thiourea because colloidal sulphur is precipitated from the present hydrogen sulphide.

Furthermore, maxima are formed which cannot be avoided, even by the addition of gelatine. The authors have developed a polarographic method using as reaction medium

a IN sulphuric acid plus 3 gms of cadmium acetate per one

litre, the latter compound effecting a complete

1/2

Card

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859110007-9"

8037 E

Z/009/60/010/05/004/040 E112/E153

Polarographic Determination of Thiourea

elimination of sulphide ions. Cyanamides, dicyandiamide, or urea, have no deleterious effect on the estimation of The authors give experimental details of the method. A current of a voltage between 0.2 and 0.5 V corresponding to the horizontal part of the polarographic wave of thiourea of concentration 2 x 10-3 to 6 x 10-3 N. is passed between the dropping mercury and calomel electrode. The amplitude of the ammeter is directly proportional to the concentration of thiourea and can be read from the calibration diagram. Results of analyses were evaluated by variant analyses of factorial experiments. Results are tabulated, giving mean squares, degree of freedom, variants and statistical significance. The most important factor affecting results was the concentration of thiourea in the analyzed sample.

Card 2/2

There are 4 figures, 2 tables and 13 references, of which 8 are Czech, 2 German, 1 Italian, 1 Soviet and 1 English.

ASSOCIATION: Vysoká škola chemicko-technologická, Praha (University of Chemical Technology, Prague)

SUBMITTED:

February 15, 1960

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859110007-9"

SKALICKY, J.; NOVOTNA, H. Techn. spoluprace: CIZKOVA, A.; VAVROVA, V.

Water disinfection with peroxides. Cesk. hyg. 10 no.2:109-106 Mr 165.

1. Vojensky ustav hygieny epidemiologie a mikrobiologie, Praha.

HOUSTEK, J.; TOMASOVA, H.; MASOPUST, J.; VAVROVA, V.

Mucuproteins in the digestive tract in pancreatic cystic fibrosis. Cesk. pediat. 19 no.7:585-593 J1'64

1. Ustav vyzkamu vyvoje ditete a katedra fakultni pediatrie fakulty detskeho lekarstvi KU [Karlovy univesity] v Praze (vedouci : prof. dr. J.Houstek, DrSc.); Ustredni biochemicka laborator detske fakultni nemocnice v Praze (vedouci: MUDr. J.Masopust, CSc.)

ALL CALL MESSENSIERS SENSENSE SENSE SENSENSE SENSENSE SENSENSE SENSENSE SEN

3 thetra carrest of the responsible components in linearities pulsanery fill rundo. In the one one, fed., 1992, 2012, 1993, and 1993.
 Above, a provenile embedding for the Very Finite for all the volume of the State of the volume of the State o

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859110007-9"

SAMANEK, M.; VAVROVA, V.; ZAJIC, F.; VOKAC, Z.

Diagnosis of disorders of acid-base equilibrium by analysis of expired air. Cesk. pediat. 19 no.8:707-712 Ag '64.

1. Katedra fakultni pediatrie a Ustav vyzkumu vyvyje ditete fakulty detsekho lekarstvi v Praze (vedouci prof. dr. J. Houstek) a Ustav pro choroby obehu krevniho v Praze (reditel prof. dr. J. Brod).

VOKAC, Z.; ZAPLETAL, A.; VAVROVA, V.

Lung nitrogen clearance following acetylcholine aer sol administration in asthmatic children. Cesk. pediat. 20 no.3:207-212 Mr '65

1. Research Institute of Child Development and Second Children's Clinic, Prague.

HOUSTEK, J.; VAVROVA, V.; VOKAC, Z.

Respiratory disturbances in mucoviscidosis. Cesk. pediat. 20 no.3:415-420 Mr 165

1. Second Children's Clinic and Research Institute of Child Development, Faculty of Pediatrics, Prague.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859110007-9"

HOUSTEK, J. prof. dr (Praha 2, Sokolska 2), VAVROVA, V.

Our experiences with nucoviscidesis. Cas. lek. cesk. 104 no.5: 201-208 26 F 165.

1. II. detska klinika fakulty detskeho lekarstvi Karlovy University v Praze (prednosta: prof. dr. J. Houstek, DrSc) a Ustav vyzkumu vyvoje ditete fakulty detskeho lekarstvi Karlovy University v Praze, (reditel: prof. dr. J. Houstek, DrSc.).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859110007-9"

HOUSTEK, J.; VAVROVA, V.

Frequency and forms of mucoviscidosis in Czechoslovakia. Cesk. pediat. 20 no.3:412-414 Mr 165

1. Second Children's Clinic and Research Institute of Child Development, Faculty of Pediatrics, Praha.

KVASNICKA, Jiri; KVASNICKOVA, Eva; GROH, Jindrich; DANICKOVA, Zdena; BARTOS, Vladimir; EREEN, Josef. Techn. spoluprace YAVROVA, Eva.

Mineral and water changes during the aging process. I. Methods of determination of minerals in arythrocytes. Normal values. Differences between the normal values in women and men. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:369-374 164.

Mineral and water charges during the aging process. II. Mineral and water changes in erythrocytes in different age groups. Ibid. 8375-381

1. I. interni klinika (prednosta: prof. MUDr. F. Cernik) Karlovy University v Hradci Kralove.

HOUSTEK, J.; PAIM, S.; HLOUSKOVA, Z.; NIKCDY: OVA, L.; STIKSA, J.; VAVROVA, V.; VOKAC, Z.

Functional changes in diffuse pulmonary fibrosis. Cesk. pediat. 20 no.3:366-371 Mr '65

1. Second Children's Clinic; Research Institute of Child Development, and Research Institute of Experimental Therapy, Prague.

DAUM, S.; NIKODYMOVA, L.; STIKSA, J.; VOKAC, Z.; VAVROVA, V.; HLOUSKOVA, Z. Technical assistance: MACHANOVA, A.; FLACHA, B.; URBANOVA, A.

Diffusing capacity of the lungs and its components in interstitial pulmonary fibroses during adolescence. Rev. Czech. med. 11 no.3: 180-189 165.

1. Institute of Postgraduate Medical Training, Chair of Internal Medicine, Prague (Director: Prof. O. Smahel, M.D., D.Sc.), Research Institute of Experimental Therapy (Director: Prof. O. Smahel, M.D., D.Sc.), and Research Institute of Child Development, Prague (Director: Prof. J. Houstek, M.D., D.Sc.).

VAVROVA, V.

The imprint test in screening for mucoviscidosis. Cesk. pediat. 20 no.1:16-22 Ja 165

1. Ustav vyzkumu vyvoje ditete fakulty detskeho lekarstvi Karlovy University v Praze (reditel: prof. dr. J. Houstek, DrSc.).

SIMANKOVA, N.; VAVROVA, V. Genealogical study of families with mncoviscidosis. Cesk. pediat. 18 no.10:942-946 0 '63. 1. I detska klinika fakulty detskeho lekarstvi KU v Praze, prednosta prof. dr. J. Svejcar II detska klinika fakulty detskeho lekarstvi KU v Praze a Ustav vyzkumu vyvoje ditete v Praze, reditel prof. dr. J. Houstek. (PANCREATIC CYSTIC FIBROSIS) (RESPIRATORY TRACT INFECTIONS) (PEPTIC ULCER) (ALLERGY) (PREGNANCY IN DIABETES) (PREGNANCY TOMPL.) (CONSANGUINITI) (DELIVERY) (GENETICS, HUMAN)

DAUM, S.; NIKODYMOVA, L.; STIKSA, J.; VOKAC, Z.; VAVROVA, V.; HLOUSKOVA, Z.; Technicka spoluprace: MACHANOVA, A.; PLACHA, B.; UFBANOVA, A.

Diffusion capacity of the lungs and its components in interstitial pulmonary fibrosis in adolescents. Cas. lek. Cesk. 104 no.49/50: 1366-1371 10 D '65.

1. Vyzkumny ustav experimentalni terapie v Praze (reditel prof. dr. O. Smahel, DrSc.) a Ustav vyzkumu vyvoje ditete v Praze (reditel prof. dr. J. Houstek, DrSc.).

HOUSTEK, Josef; VAVROVA, Vera

The incidence of cystic fibrosis of the pancreas in Czechoslovakia. Cesk. pediat. 17 no.5/6:445-451 Je 162.

1. Katedra fakultni pediatrie a Ustav vyzkumu vyvoje ditete fakulty detskeho lekarstvi University Karlovy v Praze, vedouci prof. MUDr. J. Houstek.

(PANCREATIC CYSTIC FIBROSIS statist)

TOMASOVA, Helena; VAVROVA, Vera; VOKAC, Zdenek

A method for the determination of chlorides in the diagnosis of mucoviscidosis. Cesk. pediat. 17 no.4:324-331 Ap 162.

1. II detska klinika fakulty detskeho lekarstvi Karlovy university v Praze, prednosta prof. MUDr. J. Heustek.

(PANCREATIC CYSTIC FIBROSIS diag) (CHLORIDES chem) (SMEAT chem)

Z/034/61/000/002/006/006

18 3160

E073/E535

AUTHORS:

Jedlička, J., Sedláček, V. Doctor Engineer, Rejf, J. and Vavrovič, J., Engineer

TITLE:

Application of Non-soluble Anodes in the Electrolysis

of Nonferrous Metals.

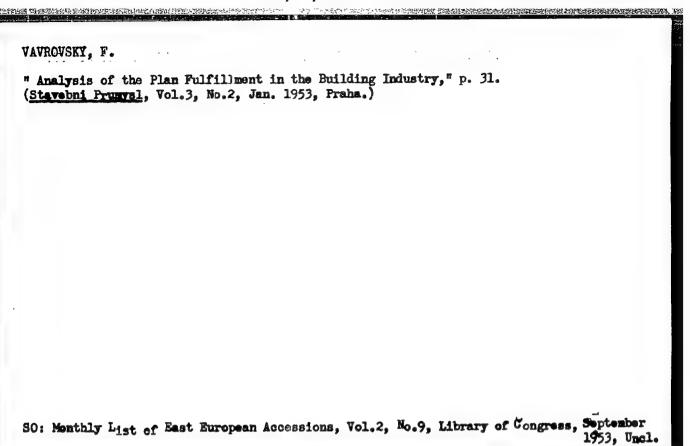
Patent Application Class 40c, 3, PV 3389-60, dated

May 25, 1960

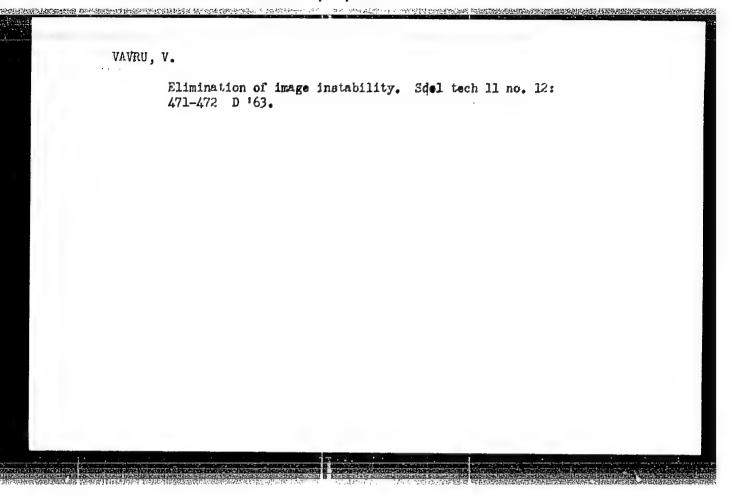
PERIODICAL: Hutnické listy, 1961, No.2, p.139

The anodes are produced from titanium or titanium alloys with a conducting surface layer made of platinum or metals of the platinum group or of metals of the platinum group plus gold or silver. The ratio of the individual metals in the alloys is determined by the intended use of these anodes and also the medium chosen for the particular electrochemical process. By using such anodes, cathode metals of spectral purity were obtained. Compared to current types of anodes, the service life of these is considerably longer.

Card 1/1



5.		Building Induraha.)	stry. (To	be contd.),	Ħ
		•			



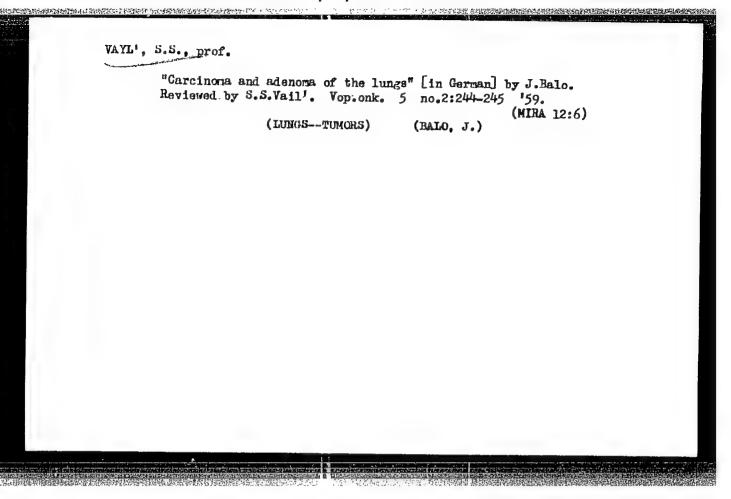
JANIK, A.; VAVRUCH, A.

Psychopathic syndromes in traveling. Cesk. psychiat. 61 :0.5:
339-344 0 '65.

1. Psychiatricka katedra Ustavu detskeho lekarstvi v Praze a
Psychiatricka lecebna v Praze 8.

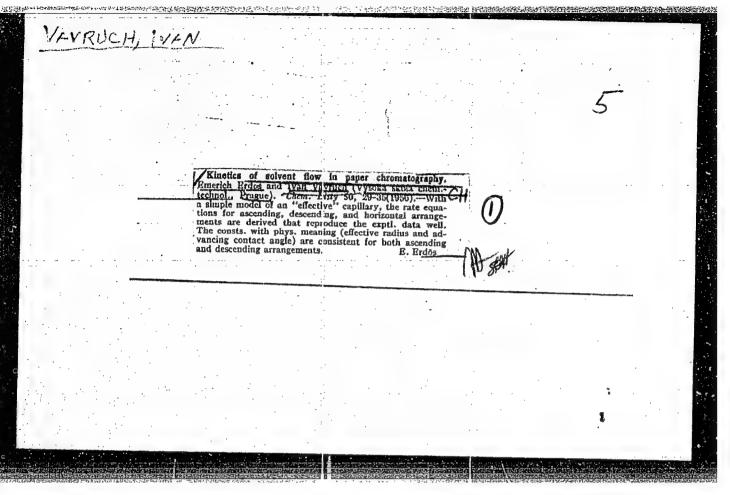
	L 43006-66	
	C NR: AP6031818	SOURCE CODE: CZ/0083/65/000/005/0339/0344
AU	THOR: Janik, A.—Yanik, A.; Vavruch, A.—	Vavrukh, A.
OR [J	G: [Vavruch] Department of Psychiatry, UD anik] Mental Hospital, Prague (Psychiatric	L, Prague (Psychiatricka katedra UDL); ka lecebna)
TI	TIE: Psychopathologic syndromes related t regional seminary held in Prague on 17 Jun	c travel [This paper was presented at e 1964.]
so	OURCE: Ceskoslovenska psychiatrie, no. 5,	1965, 339-344
TC	PIC TAGS: psychiatry, psychoneurotic disc	rder
du 13 to	STRACT: Review of the cases of 42 psychia uring or shortly after trips. Only in 8 me kelihood of more than coincidental relation travel and the occurrence of acute outbre tsease mostly paranoid schizophrenia. [JPRS: 33,500]	n and 1 woman was there a presumed as and exacerbation of psychiatric
St	JB CODE: 06 / SUBM DATE: none / SOV F	EF: 007 / OTH REF: 002
	100 m	
	· A.	
C	ard 1/1 MLP	0919 0366
and the same		tinani varianda e de la compania de

		Kuta, 3, Study of Hydrogen Overvoltage With a Mercury #13	en Trenslation] .p Trenslation]	M. g. and M. Ebert. Effect of Gelatin and Thymol. Thepsakition of Cations at a Dropping Noruny	Krivanek, M. Complexes of Iron with Saccharose 399	Arrad H T. Polarographic Study of Basic Trivalent 395 Chroatum Salt Systems	7	Britishs, R. Kinstics of Electrode Processes in Folston 200 graphy		Great Translation 250 (German Polarography 250 (German Translation) 259	have not been published in Volume I are presented. The following scientises participated in the opening of the following scientises participated in the opening of the goulty congress; Perfessor Miltor Kenula, Dean of the Faculty of Sidences, Warsawi Doctor Sarcair Dolansky, Minister of Sidences, Warsawi Doctor Sarcair Dolansky, Minister of Professor Abroslaw Herowsky, Chairman at the Center for Satentific Research and Technical Development. References follow each paper.	COVERAGE The book is a collection of reviews and original papers read at the incemational polarographic Congress held in Frague read at the incemational polarographic Congress held in Frague in 1951. Uses of Polarography in organic and thorstand analysis, the Alcohomistry and actions and the the Congress, Russian and In the section, Review Read the the Congress, Russian and ether German of English translations of sach review at the Congress, papers Read at the Congress, presented in the section, Original Reports Read at the Congress, presented the Congress of the Cong		cent agence vol 31 Reviews oderwidecke vyd-ví [1952]	tional Polarographic Congress. 1st, Prague, 1951	DITATION CZECH/2433	लाला क्रेक के क्रेक के राजा	Actua Salt Systems Ensk, M. Complexes of Iron with Saccharose **Encoled Deposition of Cations at a Dropplag Encoled Deposition of Cations at a Dropplag Fusatan Translation English Controlled Dropping Time **Erodo With Controlled Onstants on the Theory **Erodo With Controlled Time **Erodo With Controlled Ti
	the the	Digits. 1. Effect of Capillary Constants on the Maximum Cargen Cargen [German Translation] [German Translation] [Tregregatic Versot to Classify Refined Sugars by the Reference Prenslation] [German Translation] [German Translation]	January of Redrogen Overvoltage with a Mercury setrode with Controlled Dropping time stated with Controlled Dropping time stated of Capillary Constants on the Maximum Chastan Translation Chastan Translation Attempt to Classify Refined Sugars by the Investment Pernal attent Attempt to Classify Refined Sugars by the Investment Pernal attent Chastan Translation Controlled Controlled	en Translation] in Translation] Study of Hydrogen Overvoltage With a Mcroury With Controlled Dropping Time Effect of Capillary Constants on the Maximum an Translation] in Translation] in Translation] in Translation] in Translation] in Translation]	receso, M., and MEbert. Effect of Galath and Thymological Deposition of Cations at a Dropping Moreury Califor Deposition of Cations at a Dropping Moreury (Ensign Translation) [Garan, Translation] [Geran, Translation] [Size, J., Effect of Capillary Constants on the Maximum Chustan Translation] [Geran Translation] [Trub, I. Attempt to Classify Refined Sugars by the IRTGETPHIC Method [Mustan Translation] [Mustan Translation] [Augustan Constants of Constants	M. Complexes of Iron with Saccharose M. and M. Ebert. Effect of Gelatin and Thymol. G. Deposition of Cations at a Dropping Nordery en Translation. Study of Mydrogen Overvoltage With a Mercury With Controlled Dropping Time Before of Capillary Constants on the Maximum an Translation. Translation. Translation. Attempt to Classify Refined Sugars by the fine Method an Translation. ATTEMPT OF CLASSIFY REFINED ATTHR COMPRES	Polarographic Study of Basic Trivalent all Systems R. Complexes of Iron with Saccharose R. Emplexes of Iron with Saccharose R. Emplexes of Iron with Saccharose R. Emplexes of Cations at a Dropping Nordery an Translation An Translation An Translation An Translation An Translation An Translation An Translation	Polarographic Study of Basic Trivalent islt Systems M. Complexes of Iron with Saccharose M. End M. Ebert. Effect of Golatin and Thymol C Deposition of Cations at a Dropping Forcury an Translation Study of Hydrogen Overvoltage With a Mercury With Controlled Dropping Time Translation In Translation Attempt to Classify Refined Sugars by the mic Method an Translation In Translation Attempt to Classify Refined Sugars by the mic Method an Translation ORIGINAL PAPENS READ ATTHR COMMERCE	R. Kinstics of Electrode Processes in Polaro- ** Polarographic Study of Basic Trivalent ** Complexes of Iron with Saccharose ** Complexes of Iron with Saccharose ** Complexes of Iron with Saccharose ** Translation ** Study of Hydrogen Overvoltage With a Mercury ** Translation ** Attempt to Classify Refined Sugars by the ** Attempt to Classify Refined Sugars by the Attempt to Classify	A Capable and Polarography Jah Translation R. Kinstles of Electrode Processes in Polaro- R. Folarographic Study of Basic Trivalent R. Complexes of Iron with Saccharose R. Catlon of Catlons at a Dropping Norury an Translation In Translation In Attempt to Classify Refined Sugars by the Attanta of Translation In Translation OKIGIMAL PAPERS READ AT THE COMMERCE OKIGIMAL PAPERS READ AT THE COMMERCE	Translation R. Kinstles of Electrode Processes in Polaro- R. Complexes of Electrode Processes in Polaro- R. End M. Ebert. Effect of Gelatin and Thymol C. Deposition of Cations at a Dropping Northy as an Translation R. Attempt to Classify Refined Sugars by the mic Method an Translation R. Attempt to Classify Refined Sugars by the mic Method an Translation R. Attempt of Markey Region of Sugars by the mic Method and Translation R. Attempt of Markey Region of Sugars by the mic Method and Translation R. Attempt of Markey Region of Sugars by the mic Method And Markey Sugars State of Sugars State and Translation R. Attempt of Markey Region of Sugars State and Translation R. Attempt of Markey State and Markey State and Translation R. Attempt of Markey State and Markey State and Translation R. Attempt of Markey State and Markey State and Markey State and Translation R. Attempt of Markey State and Markey	Many note been published in volume I are presented, The Colouring scientists participated in the opening of the Colouring scientists participated in the opening of the Colouring scientists participated in the opening paulity Congress; Professor Mittor Kemia, Dean of the Paulity of Signances, Warsawi Dottor Vereyeld, Chairman of the Congress; and Professor Jaroslav Patatic, Chairman of the Genera for Signantist of Signances, Signantist of Signances, Signantist of Signances, Signantist of Signances follow each paper. Further J Appropriation for Signantist of Polarography 259 (Signan Translation) English Translation English Tran	propers, the book is intended to the relate and original papers and physicists. and physicists. and physicists. covering the international Polanographic Congress held in Prace the Congress of the Congress held in Prace the Congress of	Asiality, Doctory, Chaef Ed, of Philiannia notations, an Skalnik, Doctory, Took, Ed. (1964ch Durks, Doctory, Docto	I. Weinstondio polacegrafichts sizeful. Extra predessers a sizeful priceedings'01 [1952] Extra predessers a reals. First predessers a real. First predessers and received the congress and congress. The book is intended for chemists, chemical enginers, physicists. The book is intended for chemists, chemical enginers, physicists. The book is a collection of reviews and original papers [18]. The book is a collection of reviews and congress. First predessers and polacegraphic Congress hald a nalysis, intended for the partial chemistry are discussed, intended for the congress. Extra post translations and at the Opening of the Factor, where translations in Muselan, of the posting of the section, feviews framelations of the posting of the section, feviews framelations of the posting of the section, feviews framelations in Muselan, of the posting of the sections feviews framelations of the posting of the sections feviews framelations of an open professor first feviews, for the posting of the feviews, farmalation of significations and posting framelation of the ferminal of the feviews for the ferminal of the ferminal framelation o	ional Polarographic Congress. 1st, Fragus, 19. I. Wazinarodního polarografického sjerdu, vil. 3; Hlavní I. Wazinarodního polarografického sjerdu, vil. 3; Hlavní 2. 2,000 coptes Printed. 3. 315 Govyta. Doctor; Tech. 2d.; Oldtich Dunka. 3. 2,000 coptes Printed. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4	359	lack, M., and A. Tocknicin. Validity of the Nei
ļ	the	Jigic. 1. Effect of Capillary Constants on the Maximum Caygen Caygen [Garana Translation] [German Translation] Translation] Translation Translation Translation Translation Translation Translation Translation	retrode With Controlled Dropping Thme Strody of Hydrogen Overvoltage With a Mercury setrode With Controlled Dropping Thme Drygen I. Effect of Capillary Constants on the Maximum Drygen Translation [German Translation] German Translation Translation The Transl	en Translation] of Translation] of Translation] Mith Controlled Dropping Time Effect of Capillary Constants on the Maximum an Translation] in translation] in Atempt to Classify Refined Sugars by the Attempt to Classify Refined Sugars by the Attempt of Classify Refined Sugars by the	M., and M. Ebert, Effect of Gelatin and Thymolophasition of Cations at a Dropplag Noruny Translation. Translational	M. Complexes of Iron with Saccharose M. and M. Ebert. Effect of Gelatin and Thymol G Deposition of Cations at a Dropping Natury an Translation in Translation Study of Mayorogen Overvoltage With a Mercury With Controlled Dropping Time Translation in Translation	Televographic Study of Basic Trivalent All Systems M. Complexes of Iron with Saccharose M. and M. Ebert. Effect of Gelatin and Thymol G Deposition of Cations at a Dropping Marcury an Translation Translation	Polarographie Study of Basic Trivalent **L. Complexes of Iron with Saccharose **R.** and M. Ebert. Effect of Gelatin and Thymol **E.** Translation **Translation **Study of Majorogen Overvoltage Mith a Mercury **With Controlled Dropping Time **Effect of Capillary Constants on the Maximum an Translation in Attempt to Classify Refined Sugars by the **Translation	R. Kinstics of Electrode Processes in Polaro- Lait Spaces Lait States R. Complexes of Iron with Saccharose R. Complexes of Iron with Saccharose R. Complexes of Iron with Saccharose R. Annalation R. Deposition of Cations at a Dropping Percury an Translation Rich Controlled Dropping With a Mercury With Controlled Dropping Time Rich Controlled Dropping Time Translation R. Attempt to Classify Refined Sugars by the Reference of Capillary Constants on the Maximum And Translation Reference of Capillary Constants on the Maximum And Translation Reference of Capillary Constants on the Maximum And Translation Reference of Capillary Constants on the Maximum And Translation	A dreapt to Classify Refined Sugars by the Maximum and Translation R. Kinstics of Electrode Processes in Polsro- R. Folsrographic Study of Basic Trivalent and Complexes of Iron with Saccharose R. Complexes of Iron with Sacharose R. Athabation Bitdy of Hydrogen Overvoltage with a Mercury and Translation Richer of Capillary Gonstants on the Maximum and Translation R. Attempt to Classify Refined Sugars by the and Translation Refined Refined Refined Refined Refined Refined Refined Refined Refined Refin	An Translation R. Kinsters of Electrode Processes in Polsro- ish Translation R. Kinsters of Electrode Processes in Polsro- ish Translation R. Complexes of Iron with Saccharose R. Translation R. Attempt to Classify Refined Sugars by the Attention of Cating and Thymology of Translation R. Translation R. Attempt to Classify Refined Sugars by the Attention R. Attentio	Any one been published in Volume I are presented, The Colouring scientists participated in the opening of the Colouring scientists participated in the opening of the Congress Professor Miltor Kemula, Dean of the Paulity Congress Professor Miltor Kemula, Dean of the Paulity of Signandra, Professor Miltor Kemula, Dean of the Paulity of Signandra, Professor Mirtor Day, Chilman of the Congress and Professor Mirtor Day, Chilman of the General England Professor Signals Professor Congress, Chilman Congress, and Expression of Congress Colour sach paper. [Massian Translation] Bridgle, R. Kinstles of Electrode Processes in Polsro-255 (Gerally Translation) Extended R. Polsrographic Study of Basic Trivalent Signals Translation) Extended R. Polsrographic Study of Basic Trivalent Signals Mirror Signals Translation of Cations at a Dropping Norury 407 (Geran Translation) Kits, J. Study of Mydrogen Overvoltage With a Mercury And Comman Translation) Excerced With Controlled Dropping Time on the Maximum 418 (Emsalan Translation) Massian Translation) Massian Translation Massian Translation Massian Translation Massian Translation March M. Attempt to Classify Refined Sugars by the 427 (Emsalan Franslation) March M. Attempt to Classify Refined Sugars by the 427 (Emsalan Franslation)	remerces, the book is inventor for cretars and original papers and physicists. and physicists. and physicists. and physicists. coverands: the international Polarographic Congress held in Frague Frad at the international Polarographic Congress held in Frague in the Congress of All Annual Polarographic Congress held in Frague in the Congress. Rushirs and in the Care for the Congress in Fragues in the Congress. Fraction of and norganic analysis, presented. In the acciton, Newtons in Rushian German and English Which only those translations in Rushian German and English Which Congress; professor Jaronius German of English and Polarography Registrational Professor Jaronius Polarography Registrational Congress; professor Jaronius English Which the Congress; professor Jaronius English Which and Congress; professor Jaronius English Which and Congress; professor Jaronius English Professor Jaronius and Technical Control of Statemers, References follow each paper. [Massian Translation] British Franslation [Massian Translation] Errected Min Complexes of Iron with Saccharose in Polarography Professor Translation] Russian Translation [Massian Translation] Kuita, J. Study of Hydrogen Overvoltage With a Mercury will Corpus Translation of Cations at a Dropping Portury will Corpus Translation of Cations at a Dropping Portury will Corpus Translation of Cations at a Dropping Min and Markam Translation of Cations at a Dropping Min and Markam Translation of Cations at a Dropping Min and Markam Translation of Cations at a Dropping Min and Markam Translation of Cations at a Dropping Min and Markam Min Congress of Cations at a Dropping Min and Markam Translation of Cations at a Dropping Min Min Congress of Cations at a Dropping Min Min Min Congress of Cations at a Dropping Min Min Congress of Cations at a Dropping Min Min Min Min Congress of Cations at a Dropping Min	Askalnik, Doctor; Chief Ed, of Publishing Forents, a Skalnik, Doctor; Tech. Ed.; Cldfich Dunks. A The book is intended for chemists, chemical angies, physiciates. The book is a collection of reviews and original papers in the incemnicional polacysphic Congress held in Fragie at the Incemnicional Polacysphic Congress, and district and Administry and Congress, Roberts and English translations in Russian, Octable Post Roberts and English translations and Englant Polacy of the Faculty Sensis and Professor Wiltor Kemis, Desn of the Faculty Gress and Professor Wiltor Kemis, Desn of the Faculty Gress and Professor Wiltor Kemis, Desn of the Faculty Edsents and Professor Wiltor Kemis, Desn of the Faculty Edsents and Professor Wiltor Kemis, Desn of the Faculty Edsents and Professor Wiltor Kemis, Desn of the Faculty Edsents and Professor Wiltor Kemis, Desn of the Faculty Edsents and Professor Wiltor Kemis, Desn of the Faculty Edsents and Professor Wiltor Kemis, Desn of the Faculty Edsents and Professor Wiltor Act of Desnathan and Translation of Catlone Study of Basic Trivalent Edserts of Catlone at a Dropping Moreury Wilt Complexes of Iron with Saccharose in Polarose Moreury Wilt Controlled Propping Time Effect of Capillary Gonstants on the Maximum 418 A Translation of Catlone at a Dropping Wilt Controlled Dropping Time Effect of Capillary Gonstants on the Maximum 428 A Attempt to Classify Refined Sugars by the Act of Translation o	I. Wazinarodniho polasografiching signal, Districted at the state of a signal principal signal at the signal principal signal at the signal principal signal at the signal signal at the signal signal at the signal	ional Polarographic Gongress. lat, Fredue, 17, Mazinarodnino polarogration with a jetch. Proceedings. 10, 13; Hiawhiat was preduced as jetch. Proceedings. 10, 13; Hiawhiat with preduced congress. Park. Prirodovdecke vyd-vi [1952] 2, 2,000 coopies printed. 3, 11, 11, Keyrts, Doctor; Tech. Ed.; Oldfich Dunka. 3, 2,000 coopies printed. 3, 11, 11, Keyrts, Doctor; Tech. Ed.; Oldfich Dunka. 3, 11, 11, Keyrts, Doctor; Tech. Ed.; Oldfich Dunka. 3, 11, 11, Keyrts, Doctor; Tech. Ed.; Oldfich Dunka. 3, 11, 11, Marian and Compania and Polarodraph and Compania and Polarodraph and Forders. 3, 11, 11, 11, 11, 11, 11, 11, 11, 11, 1	332	[German Translation] German Translation] German Trie CONGRESS
ı		right. J Effect of Capillary Constants on the Maximum Caygen Caygen [German Translation]	is 3. Study of Hydrogen Overvoltage with a Mercury setrode With Controlled Dropping Thme Size Size Size Size Size Size Size Siz	en Translation] in Translation] Study of Mytogen Overvoltage With a Mercury Mith Controlled Dropping Time . Effect of Capillary Constants on the Maximum an Translation] in Translation]	M., and M. Ebert, Effect of Gelatin and Thymolophasicion of Cations at a Dropplag Noruny Translation. Translation. Study of Hydrogen Overvoltage With a Mercury With Controlled Dropping Time M. Translation. an Translation. in Translation.	M. Complexes of Iron with Saccharose M. and M. Ebert. Effect of Gelatin and Thymol G Deposition of Cations at a Dropping Norcury an Translation in Translation Study of Majoreen Overvoltage With a Mercury With Controlled Dropping Time . Effect of Capillary Constants on the Maximum an Translation in translation	Polarographic Study of Basic Trivalent isle Systems M. Complexes of Iron with Saccharose M. and M. Ebert. Effect of Gelatin and Thymol Coupposition of Cations at a Dropping Nordery on Translation) Study of Hydrogen Overvoltage With a Mercury With Controlled Dropping Time Effect of Capillary Constants on the Maximum an Translation) in translation	Polarographic Study of Basic Trivalent Falt Systems of Iron with Saccharose M. Complexes of Iron with Saccharose M. and M. Ebart. Effect of Galatin and Thymolographic of Cations at a Dropping Moreury an Translation of Cations at a Dropping Moreury an Translation of With Controlled Dropping Time With Controlled Dropping Time Translation of Translatio	R. Kinstics of Electrode Processes in Polaro-A. Polarographic Study of Basic Trivalent alt Satess R. Complexes of Iron with Saccharose R. Enabeticm of Cations at a Dropplys Nortury on Translation Study of Middogen Overvoltage With a Mercury With Controlled Dropping Time Effect of Capillary Constants on the Maximum an Translation in Translation	A Capillographic Polarography Rian Translation R. Kinetics of Electrode Processes in Polaro- Polarographic Study of Basic Trivalent Ele Systems of Iron with Saccharose R. Complexes of Iron with Saccharose A Translation In Translation In Translation In Translation In Translation	An Translation and M. Ebert. Effect of Galatin and Thymologia Systems and M. Ebert. Effect of Galatin and Thymologia and Translation and Trans	Many not been published in Volume I are presented, The Collowing scientists participated in the opening of the Collowing scientists participated in the opening of the Collowing scientists participated in the opening of the Faulty Congress; Warsaw Doctor Jacoba Polanico, Minister of Standing Professor Jaroba Warsawi, Chairman of the Congress and Professor Jaroba Watakio, Chairman of the Congress and Professor Chairman of the Congress and Professor Chairman of the Congress and Professor Chairman of Caroba Managan Translation Braicia, M. Kinstics of Electrode Processes in Polaro 295 Eraphy Card 1/1* Chroatus Sale Systems Ericand Man Polarographic Study of Basic Trivalent Chroatus Sale Systems Many Stands of Hoom with Saccharose 399 Erivansk, M. Complexes of Iron with Saccharose Thymol Warthwall Deposition of Cations at a Dropping Norcury and Constants of Professor Chroatus Sale Systems Exerciced With Controlled Dropping The Aprint Actions 418 [Chroatus Translation] Drogia, J. Effect of Capillary Constants on the Maximus 418 [Eman Translation] [Chroat Translation] [Chroat Translation]	PURPOSE: The book is intended to rectase and original papers and physiciate. and physiciate. and physiciate. and physiciate. COVEMIST: The book is a collection of rectase and original papers in 1917. The section is an intended in original construction and intended analysa. In 1917 the section politic and industrial chemistry are discussed. In the section mainst in the section, original repers Rad and the rate the congress. In the section mainst in the section, original repers Rad and the papers of the papers of the section or mainst in the section. Original rapes are the congress. In the section mainst in the section or presented. The congress rectains and professor which which is congress; so and Professor Jaroslav Pervsky. Chairman of a famining Professor Jaroslav Mervsky, Chairman of a famining Professor Jaroslav Mervsky, Chairman of a famining Professor Jaroslav Mervsky, Chairman of the Congress; section of Professor Jaroslav Mervsky, Chairman of the Congress; and Professor Jaroslav Mervsky, Chairman of Tanalation of Cations at a Dropping Mercury and Congressor, Mervsky, Mercury and Mervsky,	Askalnik, Doctor; Chief Ed, of Publishing Forents, a Skalnik, Doctor; Tech. Ed. (Odditch Dunka.) The book is intended for chemists, chemical anginate, physiciates. The book is a collection of reviews and original papers it is incentional control and visit at the incentional collection and visit at the incentional collection and visit and collections and industrial chemists. Residue and visit and collections and industrial chemists. Residue are discussed, the section. English translations of sand review are described. In the sociator, original Papers Read at the Congress, and English translations in Musdlan, Gorman, and English Which we not been published in Wolume I are presented. In the sociator willow Kemis, Dean of the Faculty strength and Professor Wilton Kemis, Dean of the Faculty and Professor Wilton Kemis, Dean of the Faculty Stanning Professor Wilton Wilton Kemis, Dean of the Faculty Stanning Professor Wilton Wilton Wilton Stanning of the Congress, Warracker for Statention Professor Wilton	I. Wezinarodního polarografického sjefdu. "sty prednesane ma sježdu. Piprocecjingsvol [1952] at the Congress. Praha, Fiprodovědeke vyd-vi [1952] at the Congress. Praha, Fiprodovědeke vyd-vi [1952] as 2,000 copies printed. i. Tité book is intended for themists, chemical enginaers, plavographic Congress held in Frages gialník, Doctor; Tech. Ed.: Olddich Dunke. i. The book is intended for themists, chemical enginaers, plavographic Congress held in Frages gialne, process of high strial chemistry are discussed. And the congress of the congress held in the social particular of the congress of the congress processor without water pages of the congress of the concessor without water pages. In the section, Reference follow each paper. I congress of processor without water pages of the congress of the concessor without water pages. I congress of processor without water pages of the congress of processor without with the congress of the congress of the congress of the concessor with a Mercury and translation of the with Sacharose of Cations at a Dropping Moreury and translation of the with the congress of the Wathum at a bropping Moreury and translation of the with the congress of the Wathum at translation of the with the congress of the Wathum at the with the congress of the Wathum at translation of the with the congress of the with the wit	International Polarographic Congress. 18th Frederic 18th Fredric 18th Frederic 18th Fr	124	



VAYL', V.S., prof.

N.P.Gundobin (1860-1908), one of the founders of Russian pediatrics. Pediatria 37 no.4:72-75 Ap *59. (MIRA 12:6) (PEDIATRICS contribution of Nikolai P. Gundobin (Rus)) (BIOGRAPHIES Gundobin, Nikolai P. (Rus))



VAVRUCH, I,

PHASE I BOOK EXPLOITATION

CZECH/5380

THE STATE OF THE PROPERTY OF T

- Pouchly, Julius, Engineer, Candidate of Chemical Sciences, and Ivan Vavruch, Docent, Doctor of Natural Sciences.
- Fysikalní chemie koloidních soustav (Physical Chemistry of Colloidal Systems) Praha, SNTL, 1960. 334 p. 2,200 copies printed.
- Reviewers: Jiří Mýl, Docent, Engineer, Doctor, and Alexander Tkáč, Docent, Engineer, Doctor; Resp. Ed.: Marie Školová; Chief Ed.: Adolf Balada; Tech. Ed.: Ludvík Charvát.
- PURPOSE: This textbook is intended for students specializing in chemical technology at higher institutions of learning; for scientific and technical workers in all branches of the chemical industry and in chemical research; for workers in biology, agriculture, forestry, pharmacy, and medicine; for teachers in special schools; and for those working in the natural sciences.
- COVERAGE: The book, the first in the Czech language on colloidal chemistry, was authorized as a textbook for higher institutions of

Card 1/28

Physical Chemistry (Cont.)

CZECH/5380

learning specializing in chemical technology by decree of the Ministerstvo skolství a kultury (Ministry of Education and Culture) dated April 4, 1959. The book deals with the basic concepts of colloidal chemistry; the classification of colloidal systems; the kinetic, optical, and mechanical properties of colloids; surface and interphase energies; surface films of insoluble substances; adsorption on a mobile boundary; adsorption on a solid surface; the electrical properties of phase boundaries; ion exchange; lyosols and suspensions; emulsions and foams; aerosols; micelle colloids; high-molecular substances and their solutions; The authors have attempted to present the material in the light of the most recent views and research in colloidal chemistry, and to demonstrate the laws and regularities of colloidal chemistry as following from several fundamental principles known from the theory of the thermal motion of matter and intermolecular forces, and from the physical chemistry of phase boundaries and the thermodynamics of multicomponent systems. The presentation presupposes a knowledge of general physical chemistry on the part of the reader. The material corresponding to course work at higher schools of chemical technology appears in large

Card 2/28

Physical Chemistry (Cont.)

CZECH/5380

print, while the material intended for deeper study is in smaller type. The microphotos in the book were made with a TTC instrument supplied by the Ministerstvo chemického průmyslu (Ministry of the Chemical Industry) for which the authors thank Professor Stanislav Vesely; the Debyegram of corundum was supplied by Engineer Jaroslav Bauer of the VSCHT (Higher School of Chemical Technology) in Progress References accompany each chapter. A generate nology) in Prague. References accompany each chapter. A separate bibliography containing 30 references (15 English, 5 German, 5 Soviet, and 5 Czech) appears at the end of the book.

TABLE OF CONTENTS:

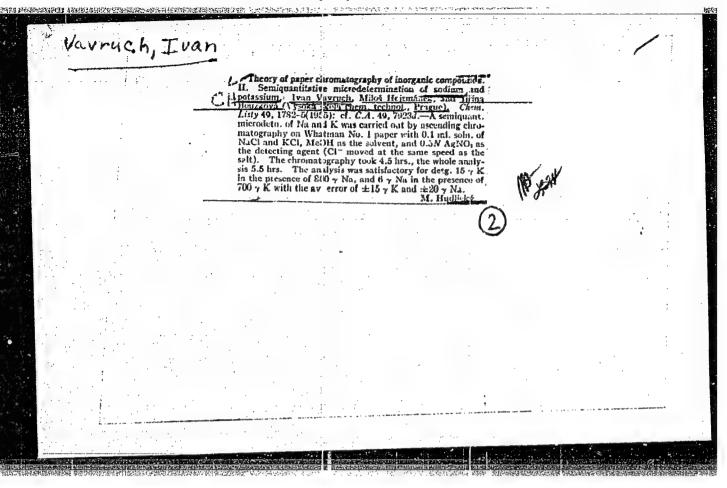
I. Introduction	13
1. Fundamentals of colloidal chemistry 1.1. Basic concepts Historical review Disperse systems	15 15 15 15
Carri 3/08	16

Card 3/28

Preface

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859110007-9



VAVRUCH, I. Grechoslovakia CA:47:11780

"Colloidal precipitates obtained from molasses by alcohol."

Listy Cukrovar. 66, 141-3(1949-50); Sugar Ind. Abstr. 12, 91(1950)

VAVRUCH, I.

Czechoslovakia

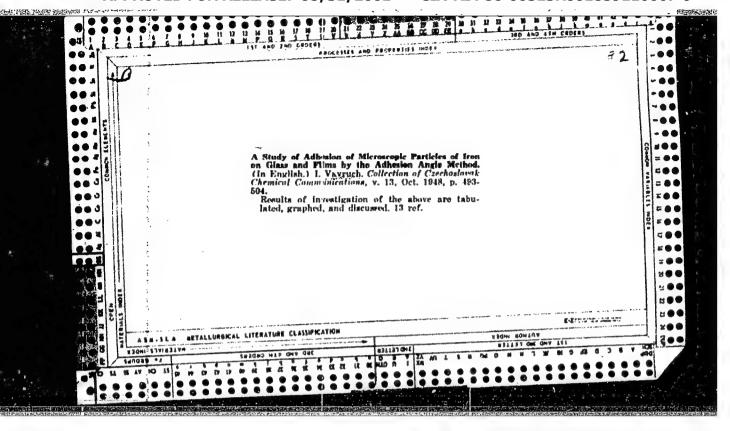
CA:47:11772

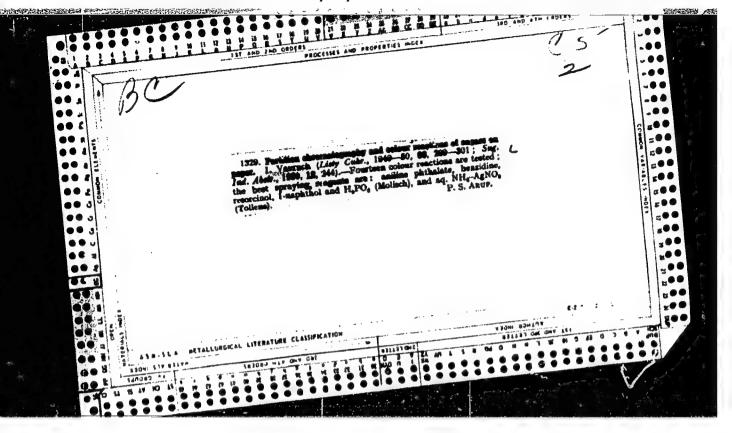
with E. RUBES

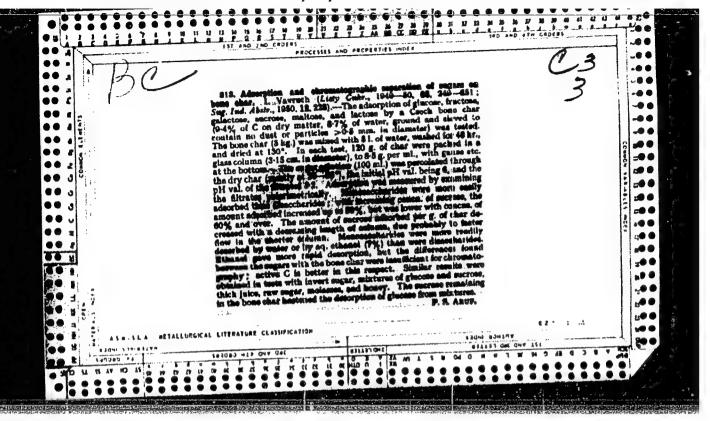
"Control of defecation and second saturation by the continuous measurement of pH and electrical conductivity."

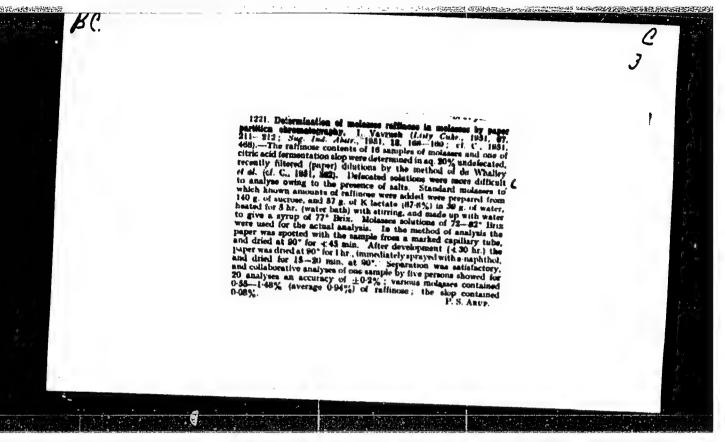
Listy Cukrovar. 66, 131-3 (1949-50); Sugar Ind. Abstr. 12, 87(1950)

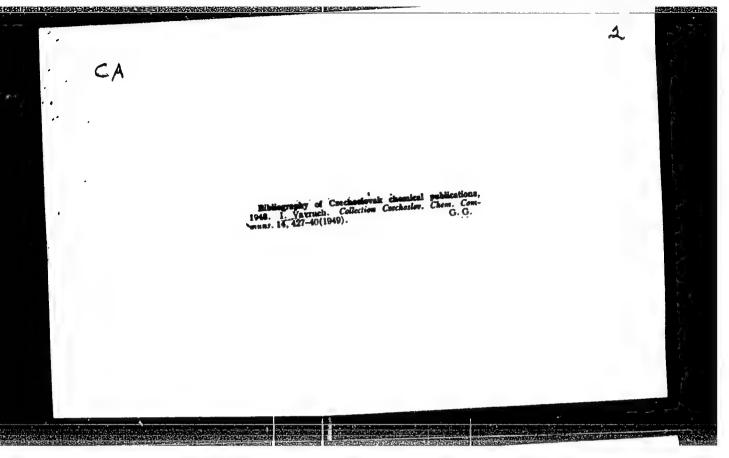
AVRUCH, I.	Czech	CA: h7:1090h
	face of aqueous solutions of s	ucrose. II."
	50; Sugar Ind. Abstr. 12, 17-	

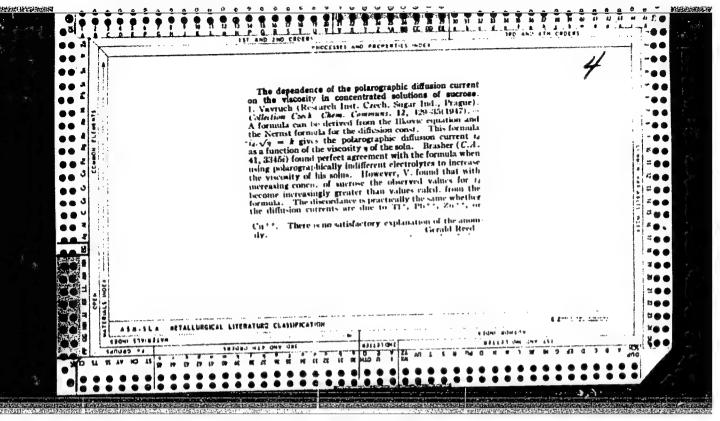


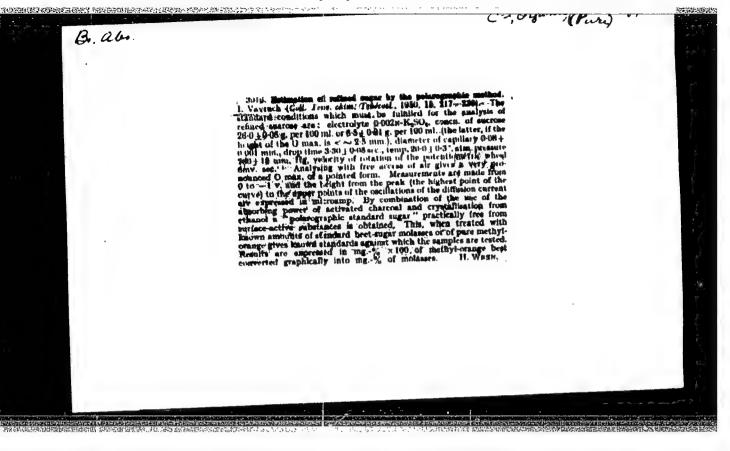


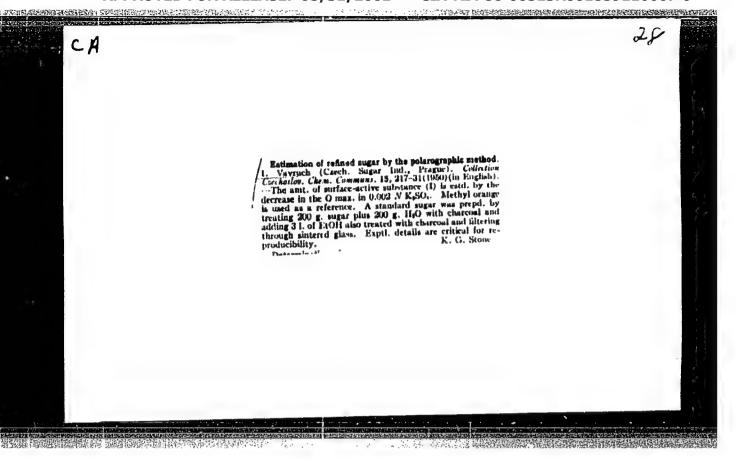


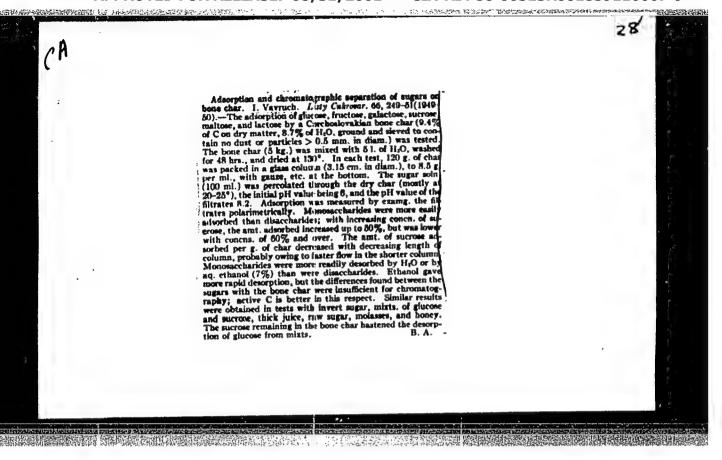


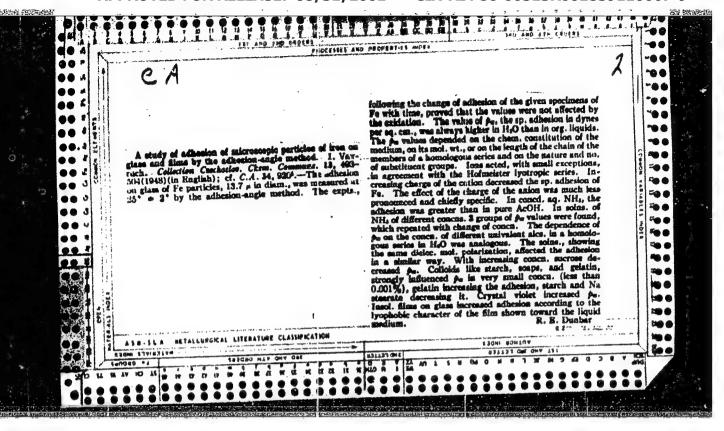


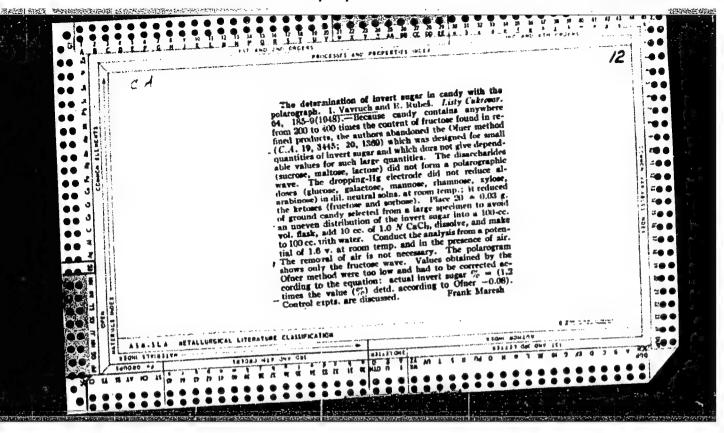


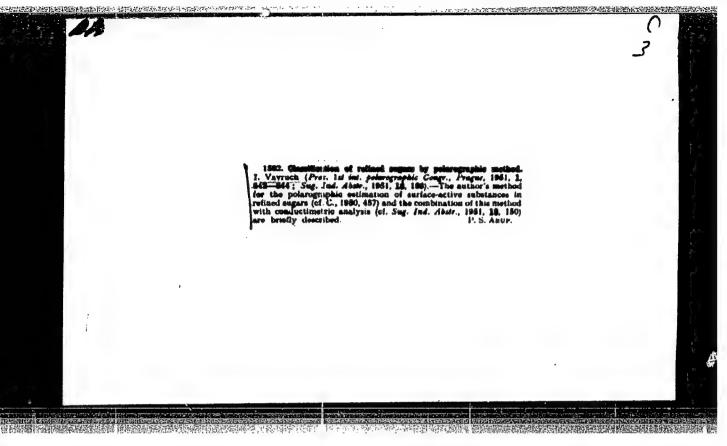


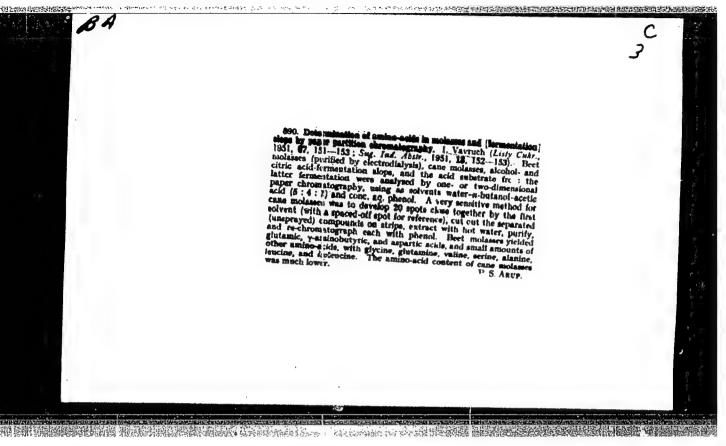


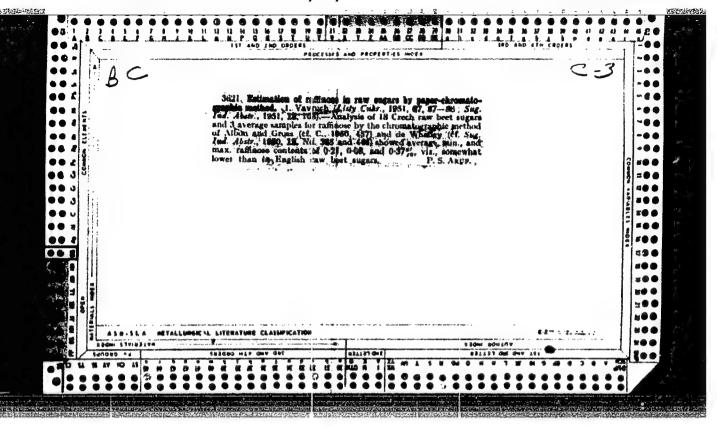


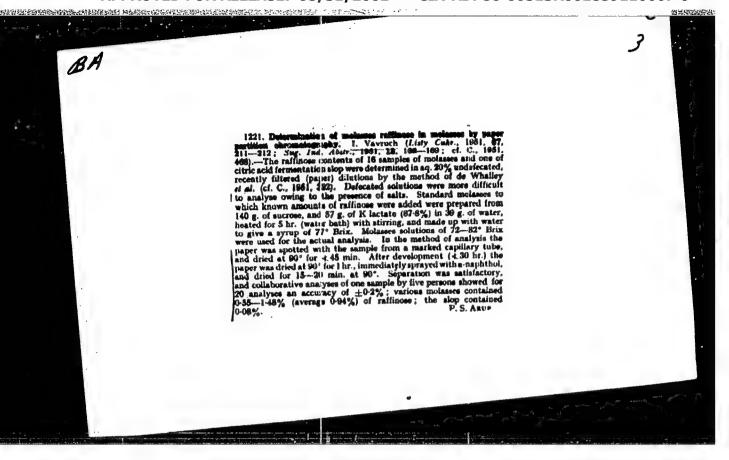


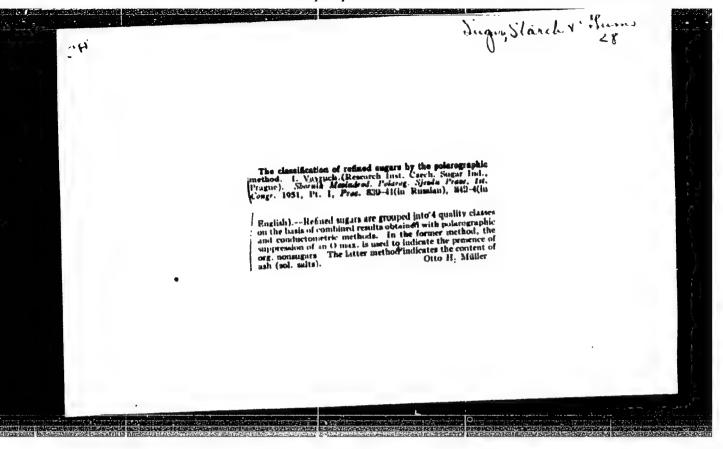


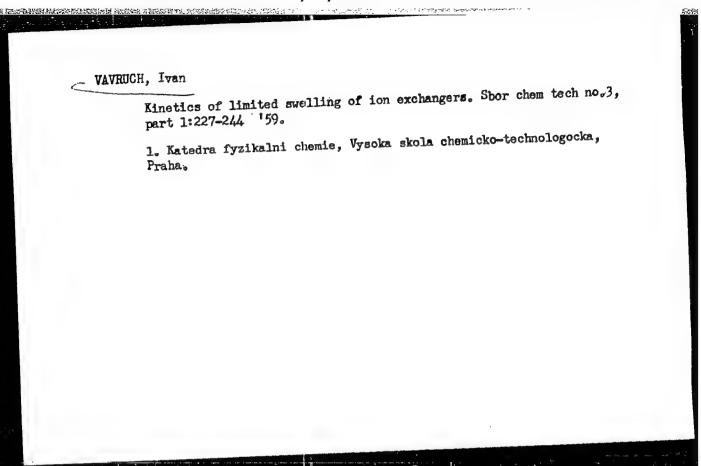












S/081/62/000/023/021/120 B156/B186

AUTHORS: Vavruch, Ivan, Kohoutová, Hana

TITLE: Conductivity in biologically important heterogeneous systems.

Part II. Steric effects in gelatinous model systems

PERIODICAL: Referativnyy zhurnel. Khimiya, no. 23, 1962, 125, abstract 23B921 (Sb. Vysoké školy chem.-technol. v Praze. Potravin. technol., v. 5, no. 1, 1961, 15 - 24 [Czech.; summaries in Russ. and Eng.])

TEXT: The electrical conductivity of a model of a dispersed system with a dispersion medium (agar-agar gel containing 0.01 - 0.5 N solutions of KCl) and with a dispersed phase (glass balls and cylinders and silon fibres oriented parallel or perpendicular to the direction of the electrical field) have been investigated. The steric effects in systems of this type depend greatly on the geometrical shape, distribution and orientation of the dispersed phase particles. They are almost independent of the electrical conductivity of the gelatinous dispersion medium. For Report I, see RZhKhim, 1962, 7522. [Abstracter's note: Complete translation.]

Card 1/1

VAVRUCH, Ivan

CZECHCSLCVAKIA/Fhysical Chemistry. Surface Phenomena. Adsorption. Chromatography. Ion Exchange.

B-13

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42757. 4bbook

Author : Bouzkova Jirina, Hejimanek Milos, Vavruch Ivan.

Inst

: Contribution to the Theory of Paper Chromatography Title

of Inorganic Substances. III. Quantitative Studies

of Frontal and Elution Chromatograms.

Orig Pub: Chem. listy, 1957, 51, No 1, 36-46; Sb. chekhosl. khim. rabot, 1957, 22, No 4, 1219-1231.

Abstract: Strips of Whatman No 1 paper were immersed, in frontal

analysis, in a solution of NaCl or KCl in C H. CH, after the front of the solution had progressed over a distance 1 the strips were cut into 1 cm long

: 1/3 Card

CZECHOSLOVAKIA/Physical Chemistry. Surface Phenomena.
Adsorption. Chromatography. Ion Exchange.

B-13

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42757.

pieces and the amount of salt contained therein was determined. The distance of the inflexion point of the curve of salt distribution over the strip, measured from the starting line, is $h=A\cdot 1$, where A is a constant. In elution analysis a strip of paper uniformly impregnated with the solution, over a portion of 1° in length, is eluted with a solvent. The curves of salt distribution over the strip show maxima, with $1(\max) = A\cdot 1 + 1^{o}/2$. Constants A, calculated from frontal elution analyses, coincide and are equal to 0.23-0.25 for KCl, and 0.46-0.52 for NaCl. By static measurements of adsorption of salts at the pulped paper, values of A of 0.241 and 0.547, respectively, were obtained. The performed

Card : 2/3

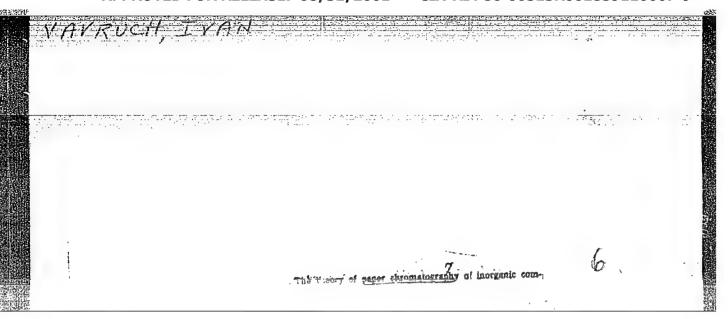
29

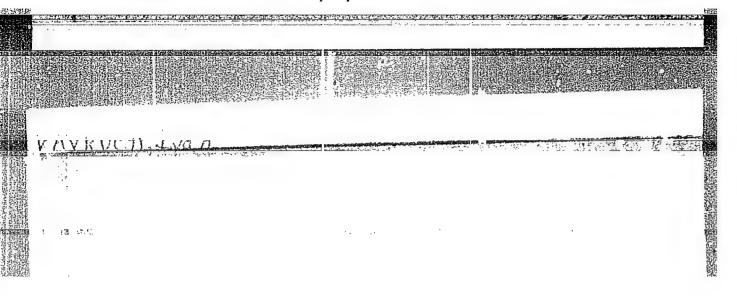
CZECHCSLOVAKIA/Physical Chemistry. Surface Phenomena. Adsorption.
Chromatography. Icn Exchange. B-13

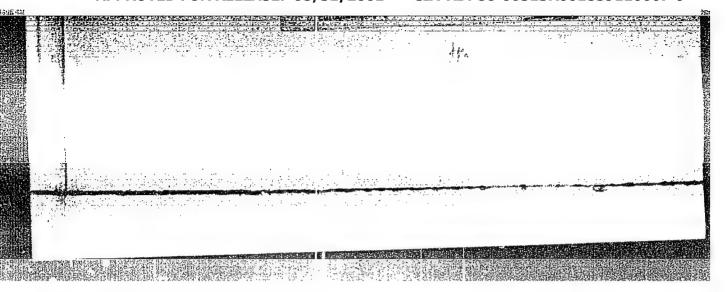
Abs Jour: Ref Zhur-Khim., No 13, 1958, 42757.

investigations show that chromatography on paper and in a column are governed by the same laws. The authors propose to utilize the constant h, in lieu of R/, for identification of substances. Communication II'see RZhKhim, 1956, 68609.

Card : 3/3

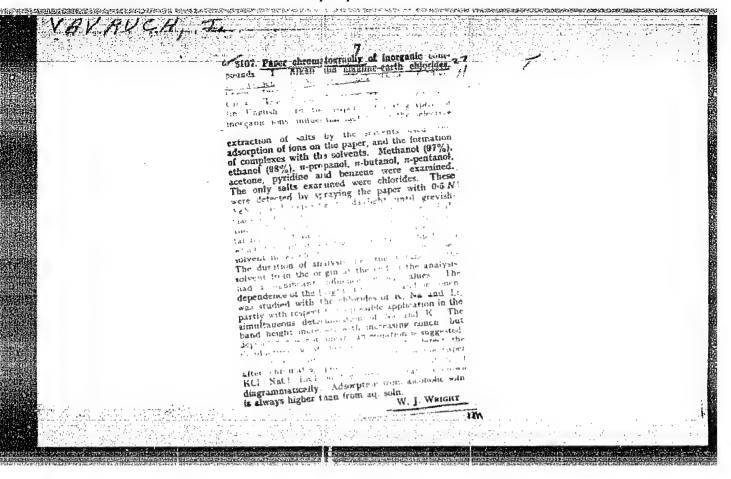


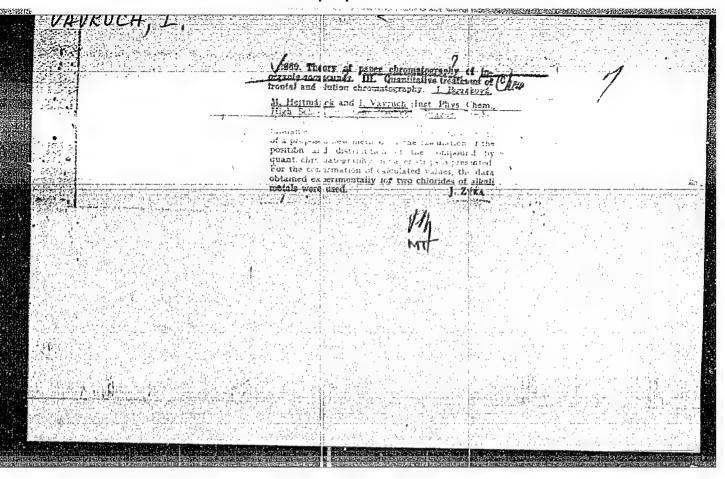




Contribution to the theory of paperchromatography of inorganic compounds. III. Quantitative treatment of the frontal and elution chromatographies. p. 36. (Chemicke Listy, Preha. Vol. 51, no. 1, Jan., 1957.)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.





VAVRUCH, I.

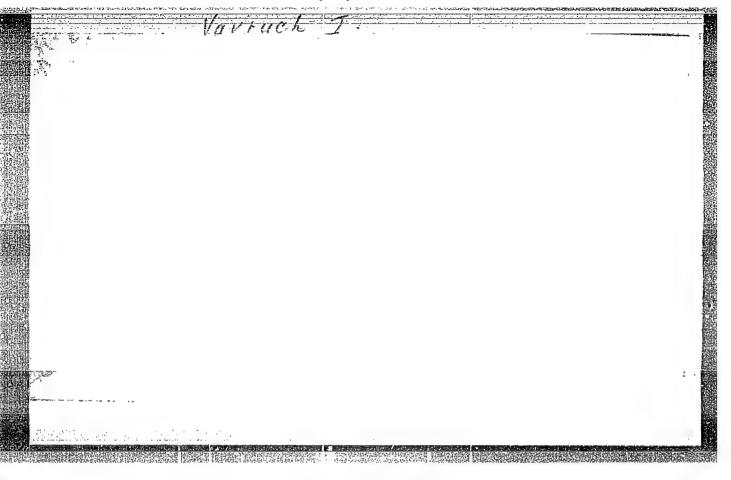
VAVRUCH, I. Kinetics of solvent flow in paper chromatography. p. 29. Vol. 50, no. 1, Jan. 1956. CHEMICKE LISTY. Praha, Czechoslovakia.

SOURCE: East European Accessions list (EEAL) Vol. 6, No. 4, April 1957

VAVRUCH I.

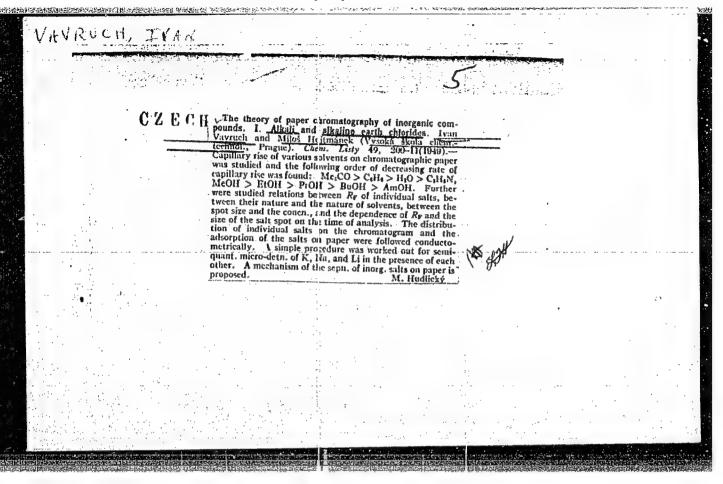
Uso of chromatography in analysis of foodstuffs. p. 207. Vol 9, no. 3, Mar. 1955. Chemicke Zvesti.

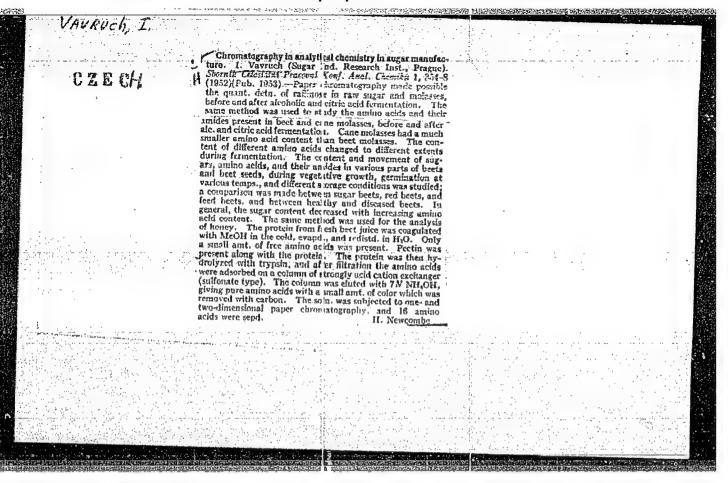
SCURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

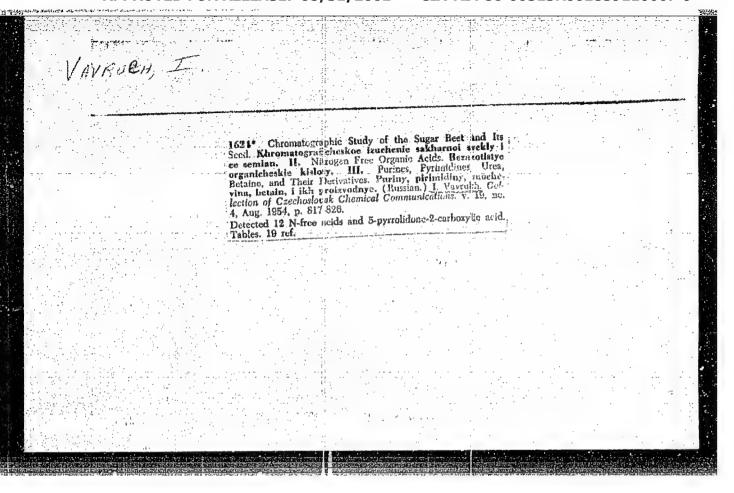


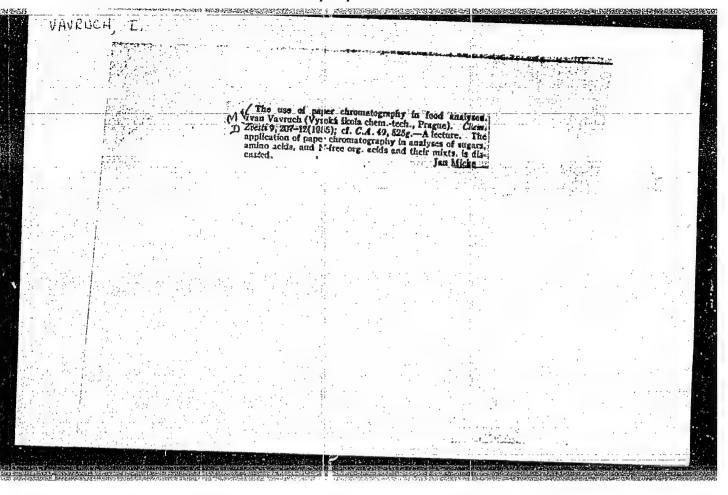
"APPROVED FOR RELEASE: 08/31/2001

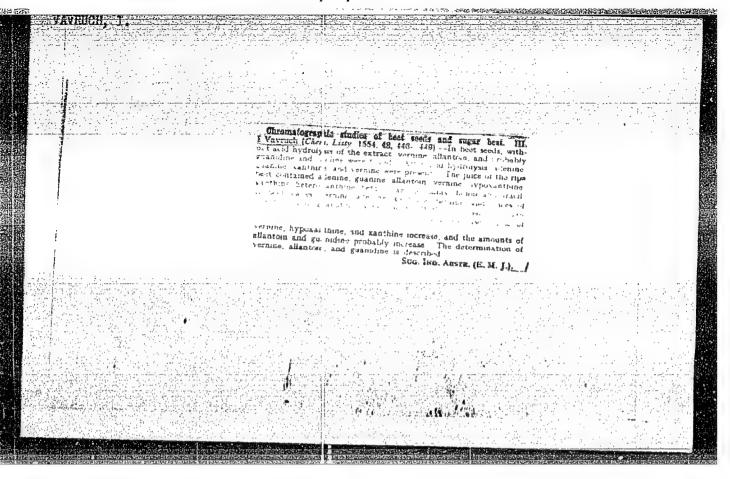
CIA-RDP86-00513R001859110007-9

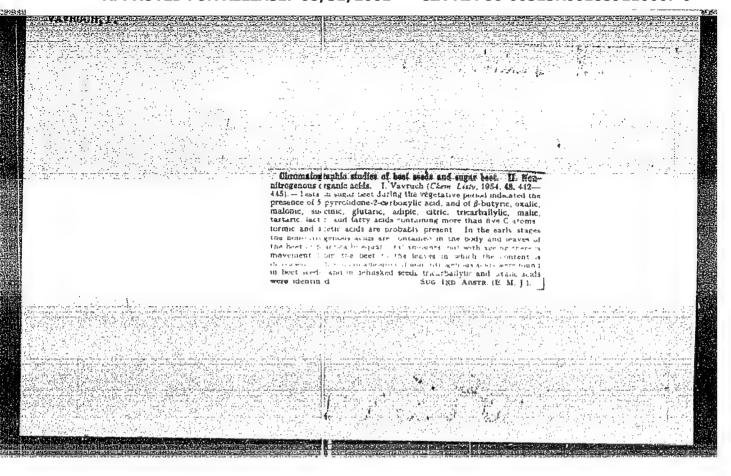








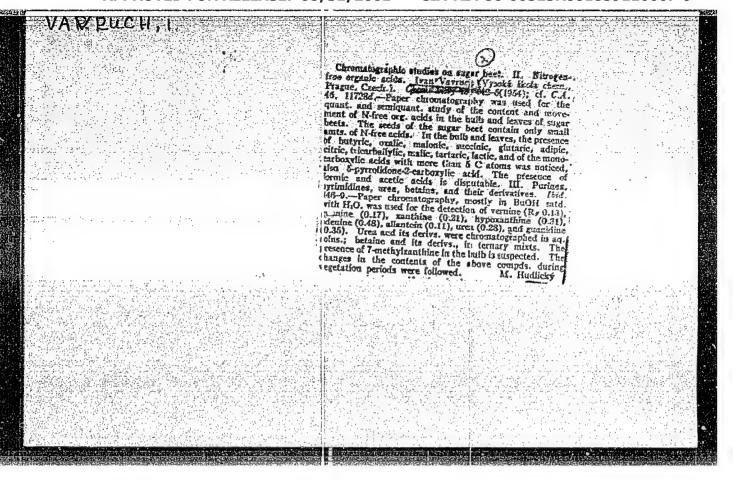


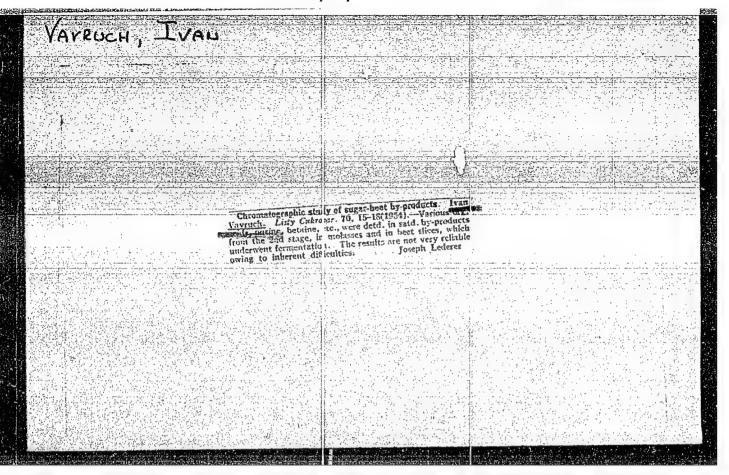


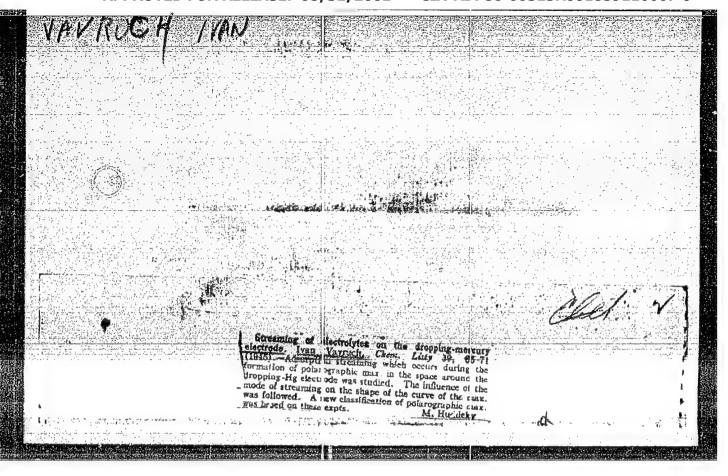
VAVRUCH, I.

"Chromatographic Study of the Sugar Eeet and Its Seeds. II. Nitrogenfree Organic Acids. III. Purines, Pyrimidines, Urea, Betaines, and their Derivatives", P. 442, (CHENICKE LISTY, Vol. 48, No. 3, 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.







YAVK	üch, 14	AN -			-											
Fysil vysol	kalni c kych sk	hemie		d. 1.	7 Praha chemist:	, Statni ry. Bi	ibl.,	ngogick diagrs	e nakl	., 1953.	Vol.	1.	(Ucel	oni te	xty	
		•														
				•												
		,														
SO: 1	<u>lonthly</u>	List	of E	ast E	uropean	Accessi	ons,	Vol.3,	No.2,	Library	of Con	g.,	Feb.	1954,	Uncl.	
ed ivi	i de la compania del compania del compania de la compania del la compania de la compania del la compania															

